



STUBS

STUBS FILES
engineers
saw
precision
needle



Stubs products are marketed by
James Neill (Sheffield) Limited
Napier Street Sheffield S11 8HB England

it pays you to insist on **STUBS** files

ECONOMY—STUBS FILES SAVE MONEY

Regardless of the work to be done it always pays to use a quality file. It can be counted on to do a better job in less time with less effort.

EFFICIENCY—STUBS FILER ARE SHARPER

Years of research and practical experience have proved the best shape of file tooth for every job. Automatic cutting machines guarantee consistent tooth shape, file after file.

DURABILITY—STUBS FILES HAVE HARDER TEETH

Constant research and development in hardening techniques, plus the 'know how' of almost 200 years of file manufacturing, ensure that the file teeth are of maximum hardness without having detrimental brittleness.

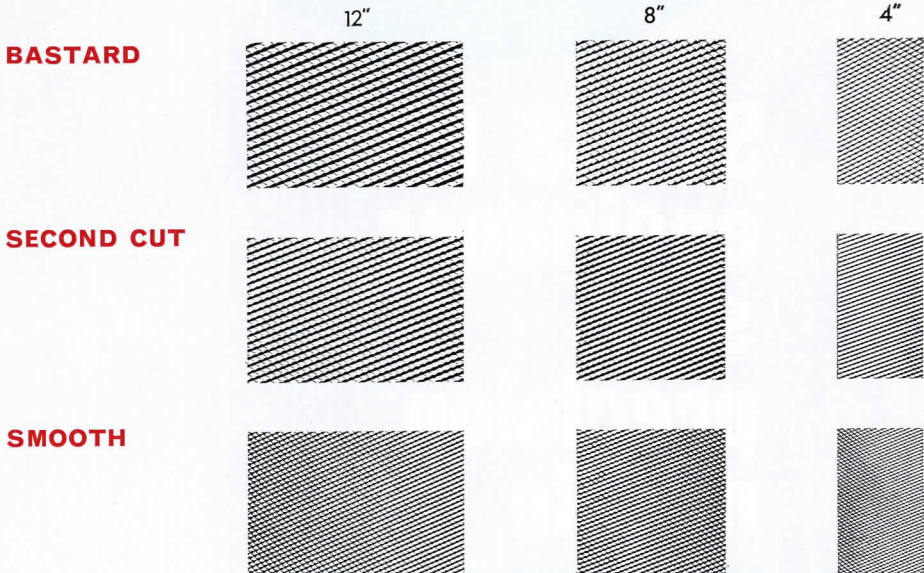
UNIFORMITY—STUBS FILES HAVE NO HIDDEN FLAWS

The very latest manufacturing methods, ranging from machine forging to precision grinding, ensure constant dimensional accuracy, and equal performance on every face.

QUALITY—STUBS FILES ARE CONSISTENTLY BETTER

Stubs files are subjected to the same quality control procedures as all ECLIPSE products, ensuring a consistently good product.

Comparison of standard cuts



Cuts available as Standard—Bastard—2nd cut—Smooth. Dead Smooth where indicated *



HAND

	Length		Width		Thickness	
	mm	in	mm	in	mm	in
*100		4	12	$\frac{15}{32}$	3	$\frac{7}{64}$
*150		6	16	$\frac{5}{8}$	4	$\frac{5}{32}$
*200		8	21	$\frac{13}{16}$	5	$\frac{13}{64}$
250		10	25	1	6	$\frac{1}{4}$
300		12	30	$\frac{13}{16}$	7	$\frac{17}{64}$
350		14	35	$\frac{13}{8}$	8	$\frac{5}{16}$
400		16	40	$\frac{17}{16}$	9	$\frac{11}{32}$



FLAT

100	4	12	$\frac{15}{32}$	3	$\frac{7}{64}$
150	6	16	$\frac{5}{8}$	4	$\frac{5}{32}$
200	8	21	$\frac{13}{16}$	5	$\frac{13}{64}$
250	10	25	1	6	$\frac{1}{4}$
300	12	30	$\frac{13}{16}$	7	$\frac{17}{64}$
350	14	35	$\frac{13}{8}$	8	$\frac{5}{16}$
400	16	40	$\frac{17}{16}$	9	$\frac{23}{64}$



PILLAR

100	4	10	$\frac{3}{8}$	3	$\frac{1}{8}$
150	6	13	$\frac{1}{2}$	5	$\frac{3}{16}$
200	8	16	$\frac{5}{8}$	5	$\frac{3}{16}$
250	10	19	$\frac{3}{4}$	6	$\frac{1}{4}$

NARROW

150	6	6	$\frac{1}{4}$	3	$\frac{1}{8}$
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WARDING

100	4	12	$\frac{15}{32}$	1	$\frac{3}{64}$
125	5	13	$\frac{17}{32}$	2	$\frac{1}{16}$
150	6	16	$\frac{5}{8}$	2	$\frac{5}{64}$
200	8	20	$\frac{51}{64}$	3	$\frac{7}{64}$



	Length		Width		Thickness	
	mm	in	mm	in	mm	in
HALF ROUND	100	4	11	$\frac{7}{16}$	4	$\frac{5}{32}$
	150	6	16	$\frac{5}{8}$	5	$\frac{3}{16}$
	200	8	20	$\frac{25}{32}$	6	$\frac{15}{64}$
	250	10	25	$\frac{31}{32}$	7	$\frac{9}{32}$
	300	12	30	$\frac{15}{16}$	9	$\frac{11}{32}$
	350	14	34	$1\frac{11}{32}$	10	$\frac{13}{32}$
	400	16	40	$1\frac{1}{2}$	12	$\frac{29}{64}$



	Length		Diameter	
	mm	in	mm	in
ROUND	100	4	4	$\frac{5}{32}$
	125	5	5	$\frac{3}{16}$
	150	6	6	$\frac{15}{64}$
	200	8	8	$\frac{19}{64}$
	250	10	9	$\frac{11}{32}$
	300	12	12	$\frac{15}{32}$
	350	14	15	$\frac{19}{32}$
	400	16	18	$\frac{23}{32}$



	Length		Width	
	mm	in	mm	in
SQUARE	100	4	4	$\frac{5}{32}$
	125	5	5	$\frac{3}{16}$
	150	6	6	$\frac{15}{64}$
	200	8	8	$\frac{19}{64}$
	250	10	9	$\frac{11}{32}$
	300	12	12	$\frac{15}{32}$
	350	14	15	$\frac{19}{32}$
	400	16	18	$\frac{23}{32}$



	Length		Width	
	mm	in	mm	in
THREESQUARE	100	4	9	$\frac{11}{32}$
	125	5	10	$\frac{25}{64}$
	150	6	12	$\frac{15}{32}$
	200	8	15	$\frac{19}{32}$
	250	10	18	$\frac{23}{32}$
	300	12	21	$\frac{27}{32}$
	350	14	25	$\frac{31}{32}$



KNIFE

Length		Width		Thickness	
mm	in	mm	in	mm	in
100	4	13	$\frac{1}{2}$	3	$\frac{1}{8}$
150	6	17	$\frac{11}{16}$	4	$\frac{11}{64}$
200	8	22	$\frac{7}{8}$	6	$\frac{7}{32}$



FARMERS OWN REAPER R5

200	8	25	$\frac{31}{32}$	4	$\frac{11}{64}$
250	10	25	$\frac{31}{32}$	4	$\frac{11}{64}$



ALL PURPOSE FILE (MAGNETO)

Length		Width	
mm	in	mm	in
89	$3\frac{1}{2}$	8	$\frac{5}{16}$



saw files

Cuts available as indicated



One Round Edge

MILLSAW
Blunt Heavy
2nd Cut

Length		Width		Thickness	
mm	in	mm	in	mm	in
200	8	24	$\frac{15}{16}$	5	$\frac{3}{16}$
250	10	27	$1\frac{1}{16}$	6	$\frac{7}{32}$
300	12	30	$1\frac{3}{16}$	6	$\frac{1}{4}$

Two Round Edges

mm	in	mm	in	mm	in
200	8	24	$\frac{15}{16}$	5	$\frac{3}{16}$
250	10	27	$1\frac{1}{16}$	6	$\frac{7}{32}$
300	12	30	$1\frac{3}{16}$	6	$\frac{1}{4}$



TAPER SAW
2nd Cut

Heavy

Length		Width	
mm	in	mm	in
150	6	13	$\frac{17}{32}$
175	7	15	$\frac{19}{32}$
200	8	17	$\frac{21}{32}$

Slim

Length		Width	
mm	in	mm	in
100	4	6	$\frac{7}{32}$
110	$4\frac{1}{2}$	6	$\frac{1}{4}$
125	5	7	$\frac{9}{32}$
150	6	9	$\frac{11}{32}$
175	7	10	$\frac{13}{32}$
200	8	12	$\frac{15}{32}$

Regular

mm	in	mm	in
100	4	9	$\frac{11}{32}$
110	$4\frac{1}{2}$	10	$\frac{3}{8}$
125	5	10	$\frac{13}{32}$
150	6	12	$\frac{15}{32}$
175	7	13	$\frac{17}{32}$
200	8	15	$\frac{19}{32}$
225	9	17	$\frac{21}{32}$
250	10	18	$\frac{23}{32}$

Extra Slim

mm	in	mm	in
100	4	5	$\frac{3}{16}$
110	$4\frac{1}{2}$	6	$\frac{7}{32}$
125	5	6	$\frac{7}{32}$
150	6	7	$\frac{9}{32}$
175	7	9	$\frac{11}{32}$
200	8	10	$\frac{13}{32}$



**DOUBLE ENDED
SAW
2nd Cut**

Length		Width	
mm	in	mm	in
150	6	6	$\frac{7}{32}$
175	7	6	$\frac{1}{4}$
200	8	7	$\frac{9}{32}$
225	9	9	$\frac{11}{32}$
250	10	10	$\frac{3}{8}$



**BANDSAW
Regular
2nd Cut**

150	6	12	$\frac{15}{32}$
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**CROSSCUT
2nd Cut**

Length		Width		Thickness	
mm	in	mm	in	mm	in
150	6	14	$\frac{9}{16}$	5	$\frac{3}{16}$
200	8	17	$\frac{11}{16}$	6	$\frac{1}{4}$
250	10	21	$\frac{13}{16}$	9	$\frac{11}{32}$



**CHAINSAW
Smooth**

Length		Diameter	
mm	in	mm	in
150	6	5	$\frac{3}{16}$
200	8	6	$\frac{7}{32}$
200	8	6	$\frac{1}{4}$
200	8	7	$\frac{9}{32}$
200	8	8	$\frac{5}{16}$

Cuts: 000, 00, 0, 1, 2, 3, 4, 6 (see price list)



HAND

	Length		Width		Thickness	
	mm	in	mm	in	mm	in
100		4	12	$15/32$	3	$7/64$
150		6	16	$5/8$	4	$3/32$
200		8	21	$13/16$	5	$13/64$



PILLAR

100	4	9.5	$3/8$	3	$1/8$
150	6	12.7	$1/2$	5	$3/16$
200	8	16	$5/8$	5	$3/16$



NARROW PILLAR

100	4	5.5	$7/32$	3	$1/8$
150	6	6.35	$1/4$	3	$1/8$
200	8	9	$23/64$	5	$3/16$



HALF ROUND

100	4	12	$15/32$	3.5	$9/64$
150	6	16	$5/8$	5	$3/16$
200	8	20	$25/32$	6	$15/64$



CROSSING

Length		Width		Thickness	
mm	in	mm	in	mm	in
100	4	12	$\frac{15}{32}$	3.5	$\frac{9}{64}$
150	6	16	$\frac{5}{8}$	5	$\frac{3}{16}$
200	8	20	$\frac{25}{32}$	6	$\frac{15}{64}$



THREESQUARE

Length		Width	
mm	in	mm	in
100	4	7	$\frac{9}{32}$
150	6	9.5	$\frac{3}{8}$
200	8	12.7	$\frac{1}{2}$



KNIFE

Length		Width		Thickness	
mm	in	mm	in	mm	in
100	4	12.7	$\frac{1}{2}$	3	$\frac{1}{8}$
150	6	17.5	$\frac{11}{16}$	4.35	$\frac{11}{64}$
200	8	22	$\frac{7}{8}$	5.5	$\frac{7}{32}$



TAPER FLAT

mm	in	mm	in	mm	in
100	4	12	$\frac{15}{32}$	3	$\frac{7}{64}$
150	6	16	$\frac{5}{8}$	4	$\frac{5}{32}$
200	8	21	$\frac{13}{16}$	5	$\frac{13}{64}$



WARDING

	Length			Width			Thickness	
	mm	in		mm	in		mm	in
100		4	12		$\frac{15}{32}$	1.2		$\frac{3}{64}$
150		6	16		$\frac{5}{8}$	2		$\frac{5}{64}$
200		8	20		$\frac{51}{64}$	2.75		$\frac{7}{64}$



EQUALLING

100	4	12.7	$\frac{1}{2}$	1.20	.048
150	6	12.7	$\frac{1}{2}$	2.03	.080



BARRETTE

100	4	12	$\frac{15}{32}$	3	$\frac{7}{64}$
150	6	16	$\frac{5}{8}$	4	$\frac{5}{32}$
200	8	21	$\frac{13}{16}$	5	$\frac{13}{64}$



ROUND

	Length			Diameter	
	mm	in		mm	in
100		4	4		$\frac{5}{32}$
150		6	6		$\frac{15}{64}$
200		8	7.5		$\frac{19}{64}$



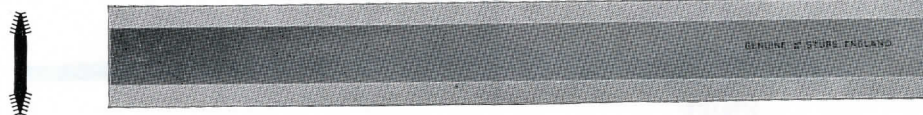
SQUARE (Four sides cut)

	Length			Width	
	mm	in		mm	in
100		4	4		$\frac{5}{32}$
150		6	6		$\frac{15}{64}$
200		8	7.5		$\frac{19}{64}$



DOUBLE-ENDED PIVOT FILE and BURNISHER

Length		Width		Thickness	
mm	in	mm	in	mm	in
175	7	6.35	$\frac{1}{8}$	3.17	$\frac{1}{8}$



	Length		Width	
	mm	in	mm	in
SCREW HEAD	75	3	10	$\frac{25}{64}$

These files are made in various thicknesses as shown in the following table:

Thickness No.	00	0	1	2	3	4	6	8
Imperial S.W.G.	19	20	21	22	23	24	26	28
Millimetres	1.02	.91	.81	.71	.61	.56	.46	.36
Inches	.040	.036	.032	.028	.024	.022	.018	.015

ESCAPEMENT FILES

Available in Round, Square and other shapes

Length	Cut
mm	in
140	5½
	6

RIFFLERS

Regular Light
Silversmiths Light
Die Makers

No. of Shapes	Length		Cut
	mm	in	
18	150	$5\frac{3}{4}$	3
10	175	$6\frac{7}{8}$	0
31	175	$6\frac{7}{8}$	0

Cuts: 0, 2, 4, 6 (see price list)

Sizes: (Centimetres) **12, 14, 16, 18**

(inches) $4\frac{3}{4}$, $5\frac{1}{2}$, $6\frac{1}{4}$, 7



ROUND



SQUARE



THREESQUARE



WARDING



KNIFE



HALF ROUND



CROSSING



BARRETTE



PIPPIN



HAND



SLITTING



ROUND EDGE JOINT